



PATENT
Atty. Dkt. WEAT/0403

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Boyle
Serial No.: 10/618,093
Confirmation No.: 3821
Filed: July 11, 2003
For: Vessel for Well Intervention

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§ Group Art Unit: 3672
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§ Examiner: Unknown
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§ Customer No.: 36735
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MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>2 November</u> , 2004.	
Kyla D. Cummings Typed Name	

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0403/WBP.

Respectfully submitted,

Kyla D. Cummings

Kyla D. Cummings

Registration No. 50,682

MOSER, PATTERSON & SHERIDAN, L.L.P.

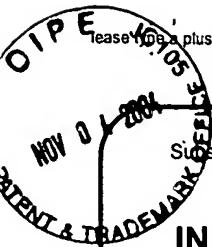
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PTO/SB/08a (08-03)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/618,093

Filing Date July 11, 2003

First Named Inventor Boyle

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0403

Sheet 1 of 27 Submission Date November 2, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-6742606 B2	06/01/2004	Melcalfe, et al.	
	A2	US-6702040 B1	03/09/2004	Sensenig	
	A3	US-6668937	12/30/2003	Murray	
	A4	US6634430	10/21/2003	Dawson et al.	
	A5	US-6547017 B1	04/15/2003	Vail,III	
	A6	US-6543552 B1	04/08/2003	Melcalfe, et al.	
	A7	US-6536993 B2	03/25/2003	Strong, et al.	
	A8	US-6457532 B1	10/01/2002	Simpson	
	A9	US-6263987 B1	07/24/2001	Vail,III	
	A10	US-6216533 B1	04/17/2001	Woloson, et al.	
	A11	US-6189616 B1	02/20/2001	Gano, et al.	
	A12	US-6186233 B1	02/13/2001	Brunet	
	A13	US-6155360	12/05/2000	McLeod	
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	A15	US-6098717	08/08/2000	Bailey et al.	
	A16	US-6070671	06/06/2000	Cumming et al.	
	A17	US-6035953	03/14/2000	Rear	
	A18	US-6024169	02/15/2000	Haugen	

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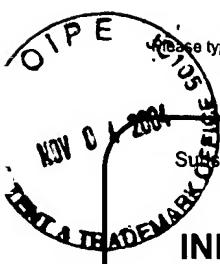
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	DE 3 213 464	10/13/1983	Reimer		
	B2	DE 4 133 802	10/22/1992	Andrejewski		
	B3	EP 0 235 105	09/02/1987	Kjell-Oue		
	B4	EP 0 265 344	04/27/1988	Legendre		
	B5	EP 0 462 618	12/27/1991	Karlsson		

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		Number-Kind Code ² (if known)			
A19	US-5887668		03/30/1999	Haugen et al.	
A20	US-5887655		03/30/1999	Haugen, et al.	
A21	US-5836409		11/17/1998	Vail, III	
A22	US-5826651		10/27/1998	Lee, et al.	
A23	US-5803666		09/08/1998	Keller	
A24	US-5787978		08/04/1998	Carter, et al.	
A25	US-5785132		07/28/1998	Richardson, et al.	
A26	US-5717334		02/10/1998	Vail, III, et al.	
A27	US-5706905		01/13/1998	Barr	
A28	US-5615747		04/01/1997	Vail, III	
A29	US-5575344		11/19/1996	Wireman	
A30	US-5560440		10/01/1996	Tibbitts	
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A32	US-5546317		10/10/1995	Hood, III, et al.	
A33	US-5526880		06/18/1996	Jordan, Jr., et al.	
A34	US-5520255		05/28/1996	Barr et al.	
A35	US-5477925		12/26/1995	Trahan, et al.	
A36	US-5458209		10/17/1995	Hayes, et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B6	EP 0 554 568		08/11/1993	Tibbits, et al.		
B7	EP 0 961 007		12/06/1999	Gano, et al.		
B8	EP 1 006 260		06/07/2000	Fincher, et al.		
B9	GB 2 335 217		09/15/1999	Desai		

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Date Considered

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**SUPPLEMENTAL
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/618,093
Filing Date	July 11, 2003
First Named Inventor	Boyle
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0403

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		Number-Kind Code ² (if known)			
	A39	US-5361859	11/08/1994	Tibbitts	
	A40	US-5322127	06/21/1991	McNair et al.	
	A41	US-5318122	06/07/1994	Murray, et al.	
	A42	US5181571	01/27/1993	Mueller	
	A43	US-5109924	05/05/1992	Jurgens, et al.	
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	A46	US-4848469	07/18/1989	Baugh et al.	
	A47	US-4836299	06/06/1989	Bodine	
	A48	US-4825947	05/02/1989	Mikolajczyk	
	A49	US-4699224	10/13/1987	Burton	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B10	GB 1 469 661	04/06/1977	Swobda, et al.		
	B11	GB 1 277 461	06/03/1972			
	B12	GB 1 448 304	09/02/1976			
	B13	GB 1 582 392	01/07/1981			

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First Named Inventor

Boyle

Group Art Unit

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Examiner Name

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		Number-Kind Code ² (if known)			
	A58	US-4446745	05/08/1994	Stone, et al.	
	A59	US-4396076	08/02/1983	Inoue	
	A60	US-4396077	09/12/1981	Radtke	
	A61	US-4274778	06/23/1981	Putnam, et al.	
	A62	US-4221269	09/09/1980	Hudson	
	A63	US-4189185	02/19/1980	Kammerer, Jr., et al.	
	A64	US-4186628	02/05/1990	Bonnice	
	A65	US-4100981	07/18/1978	Chaffin	
	A66	US-4083405	04/11/1978	Shirley	
	A67	US-3934660	01/27/1976	Nelson	
	A68	US-3901331	08/26/1975	Djurovic	
	A69	US-3785193	01/15/1974	Kinley et al.	
	A70	US-3700048	10/24/1972	Desmoulin	
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	A72	US-3669190	06/13/1972	Sizer et al.	
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	A76	US3387893	06/11/1968	Hoever	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B14	GB 2 053 088	02/04/1981	Gebhart		
	B15	GB 2 201 912	09/14/1988	Dinsdale		
	B16	GB 2 313 860	02/10/1997	Lee		
	B17	GB 2 320 270	06/17/1998	Armell, et al.		
	B18	GB 2 333 542	07/28/1999	Kirk		

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A77	US-3353599		11/21/1967	Swift	
A78	US-3191680		06/29/1965	Vincent	
A79	US-3191677		06/29/1965	Kinley	
A80	US-3169592		02/26/1965	Kammerer	
A81	US-3102599		09/03/1963	Hillburn	
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A83	US-2805043		09/03/1957	Williams	
A84	US-2765146		10/02/1956	Williams	
A85	US-2764329		09/25/1956	Hampton	
A86	US-2743087		04/24/1956	Layne, et al.	
A87	US-2663073		12/22/1953	Bieber et al.	
A88	US-2641444		06/09/1953	Moon	
A89	US-2627891		02/10/1953	Clark	
A90	US-2499630		03/07/1950	Clark	
A91	US-2324679		07/20/1943	Cox	
A92	US-2295803		09/15/1940	O'Leary	
A93	US-2216895		10/08/1940	Stokes	
A94	US-2060352		11/11/1936	Stokes	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B19	GB 2 365 463		02/20/2002	Giancarlo		
B20	GB 2 382 361		05/28/2003	Hewson, et al.		
B21	GB 2 216 926		10/18/1989	Haloid		
B22	GB 2 348 223		09/27/2000	Cook, et al.		

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		Number-Kind Code ² (if known)			
	A95	US-2049450	08/04/1936	Johnson	
	A96	US-2017451	10/15/1935	Wickersham	
	A97	US-1981525	11/20/1934	Price	
	A98	US-1880218	10/04/1932	Simmons	
	A99	US-1342424	06/08/1920	Cotten	
	A100	US-1301285	04/22/1919	Leonard	
	A101	US1185582	05/30/1916	Bignell	
	A102	US-2004/0069501	04/15/2004	Haugen et al.	
	A103	US-2003/0217865	11/27/2003	Simpson, et al.	
	A104	US-2003/0146023	08/07/2003	Pia	
	A105	US-2003/0141111	07/31/2004	Pia	
	A106	US-2003/0111267	06/19/2003	Pia	
	A107	US-2003/0056991	03/27/2003	Hahn, et al.	
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	A114	US-5197553	03/30/1993	Leturno	
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	A118	US-3603411	09/07/1971	Link	
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Examiner

Date Considered

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number

10/618,093

Filing Date

July 11, 2003

First Named Inventor

Boyle

Group Art Unit

3672

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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	B50	WO 92/20899	11/26/1992	Ellis		
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/618,093
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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Application Number	10/618,093
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First Named Inventor	Boyle
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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
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	C2	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
	C3	M. GELFGAT, "Retractable Bits Development and Application" Transactions of the ASME, Vol. 120, June (1998), pp. 124-130.	
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NON PATENT LITERATURE DOCUMENTS

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Substitute for form 1449A/PTO				Application Number	10/618,093		
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	July 11, 2003		
(Use as many sheets as necessary)				First Named Inventor	Boyle		
				Group Art Unit	3672		
				Examiner Name	Unknown		
				Attorney Docket Number	WEAT/0403		
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First Named Inventor	Boyle
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Examiner				Date Considered			
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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Substitute for form 1449A/PTO				Application Number	10/618,093	
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Examiner					Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/618,093
		Filing Date	July 11, 2003
		First Named Inventor	Boyle
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0403
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First Named Inventor

Boyle

Group Art Unit

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Substitute for form 1449A/PTO				Application Number	10/618,093		
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				First Named Inventor	Boyle		
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				Examiner Name	Unknown		
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Examiner					Date Considered		
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Substitute for form 1449A/PTO		Application Number	10/618,093
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	July 11, 2003
		First Named Inventor	Boyle
		Group Art Unit	3672
		Examiner Name	Unknown
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Application Number 10/618,093

Filing Date July 11, 2003

First Named Inventor Boyle

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0403

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*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B74	WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B75	WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B76	WO 01/94738	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B78	WO 01/79650	10-25-2001	WIPO	E21B	10/60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B86	WO 00/11309	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B91	EP 1 050 661	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Application Number	10/618,093
Filing Date	July 11, 2003
First Named Inventor	Boyle
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Attorney Docket Number	WEAT/0403

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Application Number	10/618,093
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(Use as many sheets as necessary)		First Named Inventor	Boyle
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0403
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		Submission Date	November 2, 2004

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	C57	Sander, et al., "Project Management And Technology Provide Enhanced Performance For Shallow Horizontal Wells," IADC/SPE Paper 74466, IADC/SPE Drilling Conference, February 26-28, 2002, pp. 1-9
	C58	Coats, et al., "The Hybrid Drilling System: Incorporating Composite Coiled Tubing And Hydraulic Workover Technologies Into One Integrated Drilling System," IADC/SPE Paper 74538, IADC/SPE Drilling Conference, February 26-28, 2002, pp 1-7
	C59	Galloway, "Rotary Drilling With Casing – A Field Proven Method Of Reducing Wellbore Construction Cost," Paper WOCD-0306092, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7

Examiner	Date Considered
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Substitute for form 1449A/PTO		Application Number	10/618,093
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	July 11, 2003
		First Named Inventor	Boyle
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0403
(Use as many sheets as necessary)		Submission Date	November 2, 2004
Sheet	27	of	27

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C60	Fontenot, et al., "New Rig Design Enhances Casing Drilling Operations In Lobo Trend," paper WOCD-0306-04, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-13
	C61	McKay, et al., "New Developments In The Technology Of Drilling With Casing: Utilizing A Displaceable DrillShoe Tool," Paper WOCD-0306-05, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-11
	C62	Sutriono – Santos, et al., "Drilling With Casing Advances To Floating Drilling Unit With Surface BOP Employed," Paper WOCD-0307-01, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7
	C63	Vincent, et al., "Liner And Casing Drilling – Case Histories And Technology," Paper WOCD-0307-02, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-20
	C64	Maute, "Electrical Logging: State-of-the Art," The Log Analyst, May-June 1992, pp. 206-27
	C65	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11
	C66	Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10
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